Animal Product Manual

Reference

Animal Waste and Related By-Products

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Introduction

The *Animal Waste and Related By-Products* section covers animal by-products which have been naturally discharged or released as waste, are left over parts of carcasses, or are left over by-products. Animal waste and related by-products are usually dried, ready to be used as animal feed or fertilizer, processed into glue, or manufactured. Following are examples of animal waste and related by-products:

- ♦ Manure of livestock (horse, ruminant, swine, poultry and/or birds) or other mammals such as bats (guano). Manure is the feces of livestock and poultry, with or without litter. Bat guano is regulated because of possible contamination with bird feathers and manure
- ◆ Urine of livestock and poultry. The feces of birds and bats includes a urine component

- ◆ Feces and urine of **other than** livestock for analysis and diagnosis. These by-products originate from felines (cats), canines (dogs), laboratory mammals (rats, mice, gerbils, guinea pigs, rabbits, and hamsters), amphibians, reptiles, fish, and marine mammals
- ◆ Glue stock, which consists of hide cuttings, tendons, or other collagenous parts of animal carcasses
- ◆ Glue made from hide (hide glue) or bone (bone glue). This may be imported as granules, flakes, or powder. Regulate as animal glue
- ◆ Vomitus of birds of prey in the form of pellets
- Rendered products for animal feed or fertilizer. These products are usually finely ground and rendered and include blood meal, bone meal, feather meal, horn and hoof meal, meat meal, and tankage
- ◆ Processed animal proteins. These are products which are processed by cooking or drying, but are **not** considered to be rendered



Rendered products and processed protein products from countries affected with BSE are prohibited from all species of animals (including fish) regardless of the purpose for which they are imported.

◆ Collagen as bulk or a component of, for use in cosmetics, cell culture media, and reagents

Not covered in this section are the following animal products and by-products:

- ◆ Dried blood such as spray dried blood and freeze dried blood (except for that from countries affected with BSE); regulate these products as *Blood and Related By-Products* on page 3-3-1
- ◆ Cartilage and ossein; regulate these products as **Bones and Related By-Products** on **page 3-4-1**
- Collagen casings; regulate these products as Casings on page 3-5-1
- ◆ Finished suture material derived from intestines and packed in liquid; this material is unrestricted

When a VS permit authorizes entry of the animal waste or related by-product, match the shipping documents with the information on the permit that follows:

- ♦ Current date
- ◆ Description of the material
- Shipper

- ◆ Consignee
- ◆ Conditions spelled out on the permit

Follow **Table 3-2-1** as you match the permit with the shipping documents.

TABLE 3-2-1 Validate Importation Authorized Entry by a VS Permit

If the shipping documents:	And the:	Then:
Match the permit	-	RELEASE or CONTROL as stated on the permit
Do not match the permit	Permit has expired	DO NOT RELEASE the HOLD HAVE the consignee contact VS, TTSPS (see page 2-4-25) SAFEGUARD the importation until you hear from VS, TTSPS
	Discrepancy is other than an expired permit	DO NOT RELEASE the HOLD CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see Appendix H)

Locator

When a VS permit does **not** accompany an importation of the animal waste or related by-products, use **Table 3-2-2** to determine the appropriate regulatory action to take.

Locator

TABLE 3-2-2 Determine Where to Find the Regulatory Action on Animal Waste or Related By-Products Not Authorized by a VS Permit

If the importation is:	Then:
◆ Feces	GO to Table 3-2-3 on page 3-2-5
◆ Guano	
◆ Manure	
◆ Urine	
Collagen ¹	GO to Table 3-2-9 on page 3-2-9
Animal glue ²	RELEASE
◆ Dried intestines	GO to Table 3-2-8 on page 3-2-8
◆ Glue stock	
Pellets from birds of prey (eagles, falcons, hawks, ospreys, owls, and vultures)	GO to Table 3-2-14 on page 3-2-11
◆ Rendered products	GO to Table 3-2-15 on page 3-2-13
◆ Processed proteins	
Animal waste and related by-products other than described above	DO NOT RELEASE the HOLD CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see Appendix H)

¹ If collagen casings, see the *Reference* section for **Casings**.

² Animal glue includes bone glue, hide glue, inedible or nonedible gelatin, and technical gelatin. If the importer, label, or any document suggests that the animal glue is edible, then regulate as gelatin under **Bones and Related By-Products**.

Manure, Feces, Urine, or Guano

TABLE 3-2-3 Regulatory Action to Take on Manure, Feces, Urine, or Guano

If the importation is from:	Then:
◆ Horse (equine)	1. DO NOT RELEASE the HOLD
◆ Ruminant	2. INFORM the importer the importation is
◆ Swine	being held because there is no VS permit 3. PROVIDE options including applying for a permit (see page 2-4-25)
Bird	GO to Table 3-2-4
Bat	GO to Table 3-2-6
◆ Amphibian	GO to Table 3-2-7
◆ Canine (dog)	
◆ Feline (cat)	
♦ Fish	
 Laboratory mammal including gerbils, guinea pigs, hamsters. mice, rabbits, and rats 	
◆ Marine mammal	
◆ Reptiles	
Unknown animal class	DO NOT RELEASE the HOLD CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see Appendix H)

Bird Manure and Guano

TABLE 3-2-4 Regulatory Action to Take on Bird Manure and Guano

If the importation is:	And the condition of the bird guano is:	And the importation:	Then:
Bird guano, usually from sea birds (note that all	Pelleted (subjected to heat through a normal pelletizing process)	-	INSPECT and RELEASE
supplies of fossilized guano have been exhausted)	Powdered	Is accompanied by a government of origin certificate ¹ stating that the guano was harvested 6 months prior to export	INSPECT and RELEASE
		Lacks the certification described in the cell above	GO to Table 3-2-5
	Other than described above	-	1. DO NOT RELEASE the HOLD 2. CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see Appendix H)
Other than bird guano, e.g., poultry manure		-	1. DO NOT RELEASE the HOLD 2. HAVE the consignee contact VS, TTSPS (see page 2-4-25)

¹ If from Peru, also accept a certificate issued by a veterinarian working for PESCA PERU.

TABLE 3-2-5 Regulatory Action to Take on Powdered Bird Guano Lacking Certification

If the importation is:	Then:
Consigned to an approved establishment (pelletizing facility)	AUTHORIZE shipment under seal with VS 16-78 (see <i>VS Form 16-78, Report of Entry, Shipment, and Final Disposition of Restricted Imported Meat, Animal By-Products, and Other Material</i> on page K-1-23 for instructions on completing the form)
Not consigned to an approved establishment	DO NOT RELEASE the HOLD PROVIDE the importer with the appropriate options (see Table 2-2-11)

Bat Guano

TABLE 3-2-6 Regulatory Action to Take on Bat Guano

If the bat guano is:	And your inspection reveals:	Then:
Accompanied by a statement from the shipper certifying that the guano is of bat origin	No contamination with feathers or other manure that would be evidence that the guano is from other than bats	INSPECT and RELEASE
	Evidence that indicates the guano is from other than bats	1. DO NOT RELEASE the HOLD
Lacks the statement described above	-	2. PROVIDE the importer with the appropriate options (see Table 2-2-11)

Manure, Feces, or Urine of Various Non-Livestock Mammals

TABLE 3-2-7 Regulatory Action to Take on Manure, Feces, or Urine of Felines, Canines, Laboratory Mammals, and Marine Mammals

If the manure, feces, or urine is from:	And is accompanied by a statement on producer/shipper letterhead:	Then:
◆ Felines (cats)◆ Canines (dogs)	That the material is of feline or canine origin	RELEASE
(4082)	Lacks either statement as described above or documentation	DO NOT RELEASE the HOLD until the importer provides the required statement
◆ Laboratory mammals including gerbils, guinea pigs, hamsters, mice, rabbits, and rats	 ◆ The species of origin ◆ The animals of origin have not been exposed to or inoculated with any livestock or poultry disease agent exotic to the U.S. ◆ The animals of origin did not originate from a facility where work was conducted with exotic disease agents affecting livestock/poultry 	RELEASE
	Lacks either the statement as described directly above or the documentation	DO NOT RELEASE the HOLD until the importer provides the required statement
◆ Amphibians	The species of origin	RELEASE
◆ Fishes◆ Marine mammals◆ Reptiles	Lacks the documentation providing the species of origin as amphibian, fish, reptile, or marine mammal	DO NOT RELEASE the HOLD until the importer provides the required documentation

Animal Waste for Manufacturing (Industrial Use)

Parts of animal carcasses which may include the following, imported for manufacturing such as making glue:

- ◆ Collagen and collagenous parts, such as connective tissue, sinews, and dried intestines
- ◆ Glue stock and hide glue

Gut Strings, Glue Stock, and Animal Glue

TABLE 3-2-8 Animal Waste for Manufacturing or Industrial Use (Gut Strings, Glue Stock, and Animal Glue)

If the by-product is:	And the animal class of the by-product is from:	And the importation originated in and was shipped directly from a country known to be:	Then:
Collagen and collagenous products		-	GO TO Table 3-2-9
Glue stock	Equine		RELEASE
	Ruminant	Free from BSE and FMD	
		Free from BSE, but affected with FMD	GO to Table 3-2-11
		Affected with BSE or with both BSE and FMD	GO to Table 3-2-10
	Swine	Free from ASF, CSF, FMD, and SVD	RELEASE
		Affected with ASF, CSF, FMD, or SVD	GO to Table 3-2-12
	An animal class other than listed above, or the animal class is unknown	-	
Ready-to-use suture materials and gut strings (for instruments and racquets)		-	RELEASE
Animal glue		•	

Collagen and Collagenous Products

TABLE 3-2-9 Collagen and Collagenous Products

If the animal class from which the collagen was derived is:	And the importation originated in and was shipped directly from a country known to be:	Then:
Ruminant	Free from BSE and FMD	RELEASE if accompanied by a certificate of origin
	Free from BSE, but affected with FMD	DO NOT RELEASE the HOLD INFORM the importer that the importation is being held because there is no VS permit PROVIDE options including applying
		for a permit (see page 2-4-25)
	Affected with BSE or BSE in combination with FMD	GO TO Table 3-2-13
Swine	Free from ASF, CSF, FMD, and SVD	RELEASE if accompanied by a certificate of origin
	Affected with ASF, CSF, FMD, or SVD	DO NOT RELEASE the HOLD INFORM the importer the importation is being held because there is no VS permit PROVIDE options including applying for a permit
Poultry	Free from END	(see page 2-4-25) RELEASE if accompanied by a certificate of origin
	Affected with END	1. DO NOT RELEASE the HOLD 2. INFORM the importer the importation is being held because there is no VS permit 3. PROVIDE options including applying for a permit (see page 2-4-25)
An animal class other than above or the animal class is unknown	-	RELEASE if accompanied by a certificate showing the species and country of origin

Ruminant Glue Stock from a Country Affected with BSE

TABLE 3-2-10 Ruminant Glue Stock or Hide Glue from a Country Affected with BSE

If the glue stock is derived from:	And the importation is:	Then:
Hide cuttings or parings	Accompanied by an original, official certificate from the national veterinary authority of the exporting region indicating that it was derived exclusively from hides	RELEASE
	Lacks the certification described above	1. DO NOT RELEASE the HOLD
Fleshings, tendons, or other collagenous parts	-	2. PROVIDE the importer with the appropriate options (see Table 2-2-11)

Ruminant Glue Stock from a Country Affected with FMD

Review the accompanying documentation or inspect the importation to determine if the glue stock is hard dried or flint dried.

TABLE 3-2-11 Ruminant Glue Stock from a Country Affected with FMD

If the glue stock is:	And the importation is:	Then:
Hard dried or flint dried	-	RELEASE
Not hard dried or flint dried	Consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K for completing form)
	Not consigned to an approved establishment	DO NOT RELEASE the HOLD PROVIDE the importer with the appropriate options (see Table 2-2-11)

Swine Glue Stock from a Country Affected with ASF, CSF, FMD, or SVD; or Glue Stock from an Unknown Animal Class

TABLE 3-2-12 Swine Glue Stock from a Country Affected with ASF, CSF, FMD, or SVD; or Glue Stock from an Unknown Animal Class

If the importation is:	Then:
Consigned to an approved establishment	AUTHORIZE shipment under seal with VS Form 16-78 (see Appendix K for completing form)
Not consigned to an approved establishment	DO NOT RELEASE the HOLD PROVIDE the importer with the appropriate options (see Table 2-2-11)

Collagen and Collagenous Parts or Products of Ruminant from a Country Known to Be Affected with BSE

TABLE 3-2-13 Collagen and Collagenous Parts or Products of Ruminants from a Country Known to Be Affected with BSE

If the intended use of the product is:	And the product:	Then:
As an ingredient in cosmetics	-	1. DO NOT RELEASE the HOLD 2. INFORM the importer the importation is being held because there is no VS permit 3. PROVIDE options including applying for a permit (see page 2-4-25)
Other than as an ingredient in cosmetics	Is accompanied by an original certificate from the national veterinary authority of the exporting region indicating the material was derived solely from hides	RELEASE
	Lacks the certification described in the cell above	DO NOT RELEASE the HOLD HAVE importer contact VS, TTSPS (see page 2-4-25)

Pellets from Birds of Prey

Pellets may enter only if accompanied by a VS permit or if consigned to an approved establishment. If the pellets are accompanied by a VS permit, then return to **Table 3-2-1 on page 3-2-3** to validate the permit. Otherwise, use **Table 3-2-14 on page 3-2-11** to determine the appropriate regulatory action.

TABLE 3-2-14 Pellets from Birds of Prey

If the importation is:	Then:
Consigned to an approved establishment	AUTHORIZE shipment under seal with VS Form 16-78 (see Appendix K for completing the form)
Not consigned to an approved establishment	DO NOT RELEASE the HOLD PROVIDE the importer with the appropriate options (see Table 2-2-11 on page 2-2-18)

Rendered Products and Processed Proteins



Rendered products and processed protein products from countries affected with BSE are **prohibited** from **all species of animals** regardless of the purpose for which they are imported. Rendered fish and shellfish products from a country affected with BSE require a VS Permit for Entry.

Rendering is a process by which animal tissue is treated by heat or chemical processes to separate fat from protein and mineral components. Usually the products are finely ground before rendering. Rendered products may be imported for animal feed or as fertilizer. Rendered products could be any of the animal by-products listed below:

- Blood meal
- ♦ Bone meal (ground bones, de gelatinized bone meal)
- ♦ Feather meal
- ♦ Fish meal
- Greaves cakes
- Hoof and horn meal
- ♦ Meat meal
- Shellfish meal
- ◆ Tankage



Except from countries affected with BSE, **do not** consider spray dried blood or freeze dried blood as rendered products; regulate these products under *Blood*. Neither product is subjected to a process that inactivates exotic animal disease agents.

If a product is identified as a nutritional supplement and documents feed or food additive or premixture or fertilizer, then review the accompanying documents thoroughly to determine if a rendered or processed protein product is present. If present, regulate using **Table 3-2-15**.

TABLE 3-2-15 Rendered and Processed Protein Products from All Species of Animals

If the rendered ¹ product is:	And for use as:	And is:	And is:	Then:
From a country affected with BSE				 DO NOT RELEASE the HOLD² PROVIDE the importer with the appropriate options (see Table 2-2-11)
From a country free from	Animal feed or fertilizer	One of the following:		GO to Table 3-2-17
BSE		◆ Fish meal		
		♦ Fish oil		
		◆ Shellfish³ meal		
		◆ Shellfish ³ oil	Appropriately	CONTACT
		Greaves cakes	Appropriately certified ⁴	CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see Appendix H)
			Lacks certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)
		A product rendered from horse, poultry, ruminant or swine	-	GO to Table 3-2-16
		Other than a rendered product identified in the three cells above	-	GO to Table 3-2-17
	Manufacturing (such as making glue)		-	REGULATE as glue stock GO to Table 3-2-8

A partial list of rendered products that are prohibited includes: animal fat blends, animal digest, blood meal, bone meal, crab meal, feather meal, fish by-products, fish meal, fish protein, fish solubles, hydrolyzed hair, hydrolyzed animal fat or oil, lard, meat meal, poultry waste/poultry litter, poultry feathers (dried), shrimp meal, tallow, and urea.

- 2 Rendered products and processed protein products from countries affected with BSE are prohibited from all species of animals regardless of the purpose for which they are imported. Rendered fish and shellfish products from a country affected with BSE require a VS Permit for Entry.
- 3 Clam, crab, lobster, mussel, oyster, scallop, shrimp, squid, and snail for example.
- 4 An original certificate signed by a full-time veterinarian of the agency responsible for animal health in the exporting region, declaring the following:
 - ◆ The animal species from which the material was derived
 - ◆ The region where any facility in which the material was processed is located
 - The material was derived only from animals that have never been in any region listed in 9CFR 94.18(a)
 - The material did not originate in and was never stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - The material was not otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

Rendered or Processed Protein Products Imported for Animal Feed or Fertilizer from Countries Free from BSE

Inspect the importation to determine if the products have been fully processed by dry rendering or live steaming. The products should resemble a coarse meal which has been uniformly ground. They should have a burned, scorched odor; be free of a decaying and rotten odor; and be free from pieces of bone, hide, flesh or sinew.

TABLE 3-2-16 Rendered and Processed Protein Products Imported for Animal Feed or Fertilizer from Countries Free from BSE

If the product is:	And the certificate:	Then:
Accompanied by an	Declares all the following:	RELEASE
original certificate signed by a full-time veterinarian of the agency responsible for animal health in	 The animal species from which the material was derived 	
	◆ The region where any facility in which the material was processed is located	
the exporting region	◆ The material was derived only from animals that have never been in any region listed in 9CFR 94.18(a)	
	◆ The material did not originate in and was never stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)	
	◆ The material was not otherwise associated with a facility located in a region listed in 9CFR 94.18(a)	
	Lacks the certification described in the cell above	1. DO NOT RELEASE the HOLD ¹
Lacks the certification described in the cell above	-	2. PROVIDE the importer with the appropriate options (see Table 2-2-11)

1 Rendered products and processed protein products from countries affected with BSE are prohibited from all species of animals regardless of the purpose for which they are imported. Rendered fish and shellfish products from a country affected with BSE require a VS Permit for Entry.

Other Waste Products Which Have Not Been Fully Processed and Are Not Considered to Be Rendered from Countries Free from BSE

TABLE 3-2-17 Other Waste Products Which Have Not Been Fully Processed and Are Not Considered to Be Rendered from Countries Free from BSE

And the importation is:	Then:
Consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K for form directions)
Not consigned to an approved establishment	DO NOT RELEASE the HOLD CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see Appendix H)

Fish and Shellfish Meal and Oil from Countries Free from BSE

TABLE 3-2-18 Regulatory Action for Fish and Shellfish Meal and Oil

If from:	And:	Then:
Canada	Canadian origin can be confirmed or it can be confirmed that it was legally imported into Canada ¹	RELEASE
	Canadian origin cannot be confirmed	DO NOT RELEASE the HOLD until the importer provides evidence of Canadian origin
New Zealand	Is appropriately certified ²	RELEASE
	Lacks certification	DO NOT RELEASE the HOLD PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
Neither Canada nor	Is appropriately certified ³	RELEASE
New Zealand	Lacks certification	DO NOT RELEASE the HOLD PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)

- 1 Any of the following would be sufficient proof or origin:
 - Original certificate signed by a Canadian Food Inspection Agency (CFIA) official stating that the product originated in Canada or was legally imported into Canada (this may be a quarterly certificate)
 - North American Free Trade Agreement (NAFTA) certificate of origin (this document is also known as a Customs Form 434). It is available on the Internet at <www.customs.gov/download/forms/ pdf/434.pdf>. (The form is also acceptable if it has been produced on company letterhead or on Canadian letterhead)
 - ♦ Invoice listing a Canadian exporter
 - ♦ Labels, commercially printed, indicating the material is a product of Canada
- 2 An export certificate stating that the product is of New Zealand origin.
- 3 An original certificate signed by a full-time veterinarian of the agency responsible for animal health in the exporting region, declaring the following:
 - ◆ The animal species from which the material was derived
 - ◆ The region where any facility in which the material was processed is located
 - The material was derived only from animals that have never been in any region listed in 9CFR 94.18(a)
 - The material did not originate in and was never stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - The material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)